

**Glencoe Algebra 2, KY Edition**

Glencoe Algebra 2 is a key program in our vertically aligned high school mathematics series developed to help all students achieve a better understanding of mathematics and improve their mathematics scores on today's high-stakes assessments. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson. This program ensures complete and in-depth coverage of the Kentucky Combined Curriculum, including the Program of Studies and the Related Core Content for Assessment, by providing a pacing guide, correlations, Countdown to the KCCT, and standards written out at point of use in each lesson.

Teacher Edition		
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Glencoe Algebra 2, KY Edition		
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**ISBN****0078884888**Contract Price

\$70.50

Grade

9,10,11,12

TYPE

P1

Copyright

2010

Author

Glencoe/McGraw-Hill

Edition

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Content

Algebra 2

Readability

8.1 Dale Chall

Accessibility

Nimas

Research

www.glencoe.com

**Glencoe Algebra 2, KY Edition**

Free Per School, Print Option Only

0078908698	Spanish Assessment Masters	\$19.50
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0078915228	ExamView® Assessment CD-ROM	\$169.98
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007890871X	Study Notebook, Teacher Annotated Edition	\$28.50
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Free Per Teacher, Print Option Only

Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

Provided by the Publisher	ISBN 0078884888		Publisher - <b>Glencoe/McGraw-Hill</b>	
	<b>Glencoe Algebra 2, KY Edition</b>			
	Type - P1	Author - Glencoe/McGraw-Hill		
	Copyright - 2010	Edition - 1	Readability - 8.1 Dale Chall	
	Course - Algebra 2		Grade(s) - 9,10,11,12	
	Teacher Edition ISBN if applicable .....0078884896			

**Overall Recommendation:**

**Recommended as BASAL**

**Overall Strengths, Weaknesses, Comments:**

if this box is not checked, the evaluators have  
chosen NOT recommend as basal

**The text provides a great basal resource for teachers and students. The teacher edition contains modifications for students, differentiation, and instruction for Spanish students as well as ESL students. There are online resources for the students at no charge that don't require a CD. The text contains numerous types of assessments as well as KCCT preparation.**

NIMAC Accessibility      N  
Ancillary                      No  
Free with Purchase        Yes  
Research                    Yes      www.glencoe.com

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**CRITERIA**

This basal resource ...

**A. Encompasses KY Content Standards & Grade Level Expectations    Strong Evidence**

Text is designed to be used in an elective course outside the Program of Studies

**1) Includes the 5 Big Ideas of mathematics to the following extent:**

- |  |                   |
|--|-------------------|
| <b>a) Number Properties and Operations</b> | Strong Evidence   |
| <b>b) Measurement</b>                      | Moderate Evidence |
| <b>c) Geometry</b>                         | Not Applicable    |
| <b>d) Data Analysis and Probability</b>    | Moderate Evidence |

<b>e) Algebraic Thinking</b>	<b>Strong Evidence</b>
<b>2) Addresses content-specific enduring understandings from the related Program of Studies standards.</b>	<b>Strong Evidence</b>
<b>3) Addresses content-specific skills and concepts from the related Program of Studies standards.</b>	<b>Strong Evidence</b>
<b>4) Content addressed is current, relevant and non-trivial</b>	<b>Strong Evidence</b>
<b>5) Provides opportunities for critical thinking/reasoning</b>	<b>Strong Evidence</b>
<b>6) Strengths, Weaknesses, Comments:</b> <ul style="list-style-type: none"> <li>• Specific strengths-which areas/concepts are covered exceptionally well?</li> <li>• Specific weaknesses-which areas/concepts would likely require supplementing?</li> </ul> <p>Content is linked to the standards for each lesson. Content is current and relevant. There is questioning at all levels and students are required to think critically.</p>	

<b>B. Functionality &amp; Suitability</b>	<b>Strong Evidence</b>
<b>1) Suitability</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Should be suitable for use with a diverse population and is free of bias regarding race, age, ethnicity, gender, religion, social and/or geographic environment; is free of stereotyping or bias of any kind.</li> </ul>	
<b>2) Content quality</b>	<b>Moderate Evidence</b>
<ul style="list-style-type: none"> <li>• Free from factual errors</li> <li>• Content is presented conceptually when possible—more than a mere collection of facts</li> <li>• Content included accurately represents the knowledge base of the discipline</li> <li>• Theories/scientific models contained represent a broad consensus of the scientific community</li> <li>• Interconnections among mathematical topics</li> </ul>	
<b>3) Connections to Literacy</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Employs a variety of reading levels and is grade/level appropriate</li> <li>• Use of multiple representations-concrete, visual/spatial, graphs, charts, etc.</li> <li>• Provides opportunities for summarizing, reviewing, and reinforcing vocabulary skills and concepts at multiple levels of difficulty for a variety of learning styles.</li> <li>• Student text provides opportunity to integrate reading and writing</li> <li>• Uses vocabulary that is age and content appropriate</li> <li>• Focuses on critical vocabulary vs. extensive lists</li> <li>• Identifies key vocabulary through definitions in both text and glossary</li> <li>• The text is engaging and facilitates learning</li> <li>• Embedded activities enhance the understanding of the text</li> </ul> <p><i>Note: may apply to either student or teacher editions</i></p>	
<b>4) Connections to Technology</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Integrates technology and reflects the impact of technological advances</li> <li>• Uses technology in the collection and/or manipulation of authentic data</li> <li>• Embeds web links as a mathematics resource.</li> </ul>	
<b>5) Support for Diverse Learners</b>	<b>Strong Evidence</b>
<ul style="list-style-type: none"> <li>• Provides support for ESL students</li> </ul>	

Evaluation Tool for Basal Instructional Materials  
Mathematics (2009 – 2015)

- Provides support for differentiation of instruction in diverse classrooms
- Challenge for gifted and talented students
- Support for students with learning difficulties

*Note: may apply to either student or teacher editions*

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**6) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Conceptual knowledge is infrequent. The reading level is appropriate for the age range. There is vocabulary embedded in the lessons. Activities are located in most of the lessons. There is extensive use and support for graphing calculators. There is also an e-book for students containing quizzes, vocab, multilingual glossary and workbooks. The teacher edition contains resources for ESL, differentiation, and learning difficulties. It also includes extensions for gifted and talented.

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<b>C. Supports Inquiry and Skill Development</b>	<b>Moderate Evidence</b>
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<b>1) Promotes Inquiry, research and Application of Learning</b>	Moderate Evidence
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- Provides opportunities for inquiry and research that includes activities such as gathering information, researching resources, observing, interviewing, and evaluating information, analyzing and synthesizing data and communicating findings and conclusions, formulating authentic questions to deepen and extend mathematical reasoning.
- Requires students to use higher-level cognitive skills (analysis, synthesis, evaluation, generalizing, justifying, etc.)
- Provides activities and projects for students to deepen their knowledge and cultivate and strengthen problem-solving and decision-making skills.
- Provides opportunities for application of learned concepts.
- Uses a variety of relevant charts, graphs, diagrams, number lines, and other illustrations to invite and motivate students to engage in discussion, problem solving, and other high-order thinking skills.
- Emphasizes conceptual understandings that invite students to predict, conclude, evaluate, develop and extend ideas to support reasoning.

*Note: may apply to either teacher or student edition*

<b>2) Skill Development</b>	Moderate Evidence
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- Provides opportunities to make sense of all mathematics
- Provides opportunities to recognize, create, and extend patterns.
- Provides opportunities for critical thinking and reasoning.
- Provides opportunities to justify/prove responses.
- Provides opportunities to ask deeper questions.
- Contains embedded activities (or extensions) that emphasize use of technology for problem solving

*Note: may apply to either teacher or student edition*

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**3) Strengths, Weaknesses, Comments:**

After most sections there is an activity for the students to practice the lesson concepts. There are many charts, graphs, and pictures provided to supplement the subject. The activities allow students to extend their ideas to real-life applications.

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## **D. Supports Best Practices of Teaching and Learning**

**Strong Evidence**

### **1) Engages Students**

**Strong Evidence**

- Includes content geared to the needs, interests, and abilities of all students
- Engages and motivates students using components such as real-life situations, simulations, experiments, and data gathering.
- Includes information and activities that assist students in seeing relevance of concepts (where appropriate) to their own lives and experiences
- Provides a variety of strategies, activities, and materials to enhance student learning at the appropriate learning levels
- Activities are truly congruent to the concepts addressed, not merely correlated

*Note: may apply to either teacher or student edition*

### **2) Uses Assessment to Inform Instruction**

**Strong Evidence**

- Includes multiple means of assessment as an integral part of instruction
- Provides evaluation measures in the teacher edition that supports differentiated learning activities
- Embedded assessments reflect a variety of Depth of Knowledge levels

*Note: may apply to either teacher or student edition*

### **3) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards

A variety of activities and lessons provide differentiation for the teacher. There are multiple forms of assessment (formative and summative). There are also different questions in those assessments (MC, OR, etc.). The teacher edition has different assignments for different levels of understanding. There are differentiated lessons, including ESL lesson modifications.

## **E. Has an Organization/ Format that Supports Learning and Teaching**

**Strong Evidence**

### **1) Organizational Quality**

**Strong Evidence**

- Print and/or electronic materials present minimal barriers to learners, but also add encouragement for students to stretch and make further explorations.
- Presents chapters/lessons in an organized and logical sequence
- Provides clearly stated objectives for each lesson.
- Uses text features (e.g., titles, headings, subheadings, review questions, goals, objectives, space, print, type size, color) to enhance readability.
- Makes use of various forms of media (e.g., CD's, recordings, videos, cassette tapes, computer software, web-based components, interactive software, calculators, physical and virtual manipulatives) as either student or teacher resources
- Includes clear, accurate, appropriate and clearly explained illustrations and/or graphics that reinforce content standards.
- Incorporates a glossary, footnotes, recordings, pictures, and/or tests that aid pupils and teachers in using the book effectively
- Uses grade-appropriate type size
- Included media are durable, easy to use and have technical merit
- Construction appears to be durable and able to withstand normal use

### **2) Essential Components (beyond student and teacher text)**

**Strong Evidence**

Evaluation Tool for Basal Instructional Materials  
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- Items identified as essential components support the learning goals and concept coverage of the basal

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**3) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

There are online materials to enhance the learning. The material is extremely organized and user-friendly for both student and teacher. The reading level is age-appropriate. The material ranges from lower-level to advanced activities. There is KCCT practice questions with each section to help students prepare for testing.

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**F. Has available Ancillary/ Gratis Materials**

*Note: The decision whether to recommend or not recommend this resource as a basal should not be influenced by Section F*

**Strong Evidence**

**1) Ancillary/Gratis Materials**

- Coordinates teacher resources easily with student material (e.g., accompaniments included, student pages shown, instructional technology indicated).
- Are well-organized and easy to use
- Provide substantive learning opportunities and are congruent with student learning goals
- Provide opportunities for high-level thinking, assessment, and/or problem solving
- Provides opportunities for intervention.

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**2) Strengths, Weaknesses, Comments:**

- Reviewers may provide page numbers to point out specific strong examples for individual evaluation standards.

Each chapter has a resource book with extra activities, quizzes, anticipation guides, vocabulary, word problem practice, and lessons in Spanish. There are also interactive study notebooks for the students that provide guided problem-solving. There is also a student practice book in English and Spanish. In addition there is a study guide and intervention book for struggling students. There are also CD's for the solution manual, interactive classroom, teacher planner, and student works. These are also available on DVD and containing the textbook, audio, workbook and more.

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